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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
|-----------------|-------------|----------------------|---------------------|
| 09/025,856 | 02/19/98 | SUDO | T 862.2176 |

005514 LM01/0809
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EXAMINER

WONG, A

ART UNIT

PAPER NUMBER

2713

10

DATE MAILED:

08/09/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

| | | | |
|------------------------------|-------------------------------|---------------------------------|--|
| Office Action Summary | Application No. 09/025,856 | Applicant(s) SUDO, TOSHIYUKI | |
| | Examiner Allen Wong | Art Unit 2713 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- 1) ☐ Responsive to communication(s) filed on 6/7/00.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1, 3-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☒ All b) ☐ Some * c) ☐ None of the CERTIFIED copies of the priority documents have been:
1. ☒ received.
2. ☐ received in Application No. (Series Code / Serial Number) _____.
3. ☐ received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

Attachment(s)

- | | |
|---|--|
| 15) <input type="checkbox"/> Notice of References Cited (PTO-892) | 18) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 16) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 19) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 17) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 20) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 3-44 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Isono (5,315,377).

Regarding claims 1, 12, 14-16, 18, 28-32, and 34-44, Isono discloses an information processing apparatus which can be connected to an image display apparatus (figure 2, element 46) having stereoscopic vision control means (figure 2, element 28) for controlling directivity of a stereoscopic image to allow an observer to observe stripe images of the stereoscopic image with right and left eyes of the observer, respectively, comprising:

generation means (col.4, lines 32-38) for generating image data including a window (col.4, lines 38-40; note a window is set, thus the window position and size can be "freely changed" for displaying the stereoscopic image) to display a stereoscopic image in which stripe parallax images corresponding to the right and left eyes are arranged (see fig.2);

determination (changing) means (figure 1, element 20 and col. 5, lines 37-40) for determining whether a relative positional relationship between the stereoscopic image displayed in the window and said stereoscopic vision control

means of said image display apparatus is a proper positional relationship which allows a proper stereoscopic vision (note that a computer determines whether a relative positional relationship between the window and said stereoscopic vision control means of said image display apparatus is a proper positional relationship); and

adjustment (changing) means for (figure 1, element 20 and col. 5, lines 37-40), when said determination means determines that the relationship is not the proper relationship which allows a proper stereoscopic vision, adjusting the relative positional relationship to allow a proper stereoscopic vision (note that a computer adjusts the relative positional relationship to allow a proper stereoscopic vision).

Claims 3-11, 13, 17, 19-27 and 33 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Isono (5,315,377) as set forth in the previous Office Action paper No. 7.

Response to Arguments

Applicant's arguments filed 6/7/2000 have been fully read and considered but they are not persuasive. The examiner respectfully disagrees with the applicant.

Regarding independent claim 18, Isono does teach a window setting means on the stereoscopic display means (col.4, lines 32-40) for displaying the stereoscopic image because element 28 is used in 3-D mode to display the stereoscopic image. It is well known in the art that a 3-D (three-dimensional) image is equivalent to a stereoscopic image. Also, Isono does provide the

limitation of changing the relative positional relationship between the stereoscopic image displayed in the window and the stereoscopic vision control means in order to realize a proper stereoscopic vision (col.5, lines 32-44). Isono provides an input unit so that user can enter commands to change the relative positional relationship between the stereoscopic image displayed in the window and the stereoscopic vision control means in order to realize a proper stereoscopic vision. Moreover, Isono teaches the use of a head detecting unit, element 8, for detecting the user's movements, and thus, changing the relative positional relationship between the stereoscopic image displayed in the window and the stereoscopic vision control means in order to realize a proper stereoscopic vision.

Note claims 1, 12, 14-16, 28-32 and 34-44 are rejected for the same reasons discussed above with respect to independent claim 18.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will

the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen Wong whose telephone number is (703) 306-5978. The examiner can normally be reached on Mondays to Thursdays from 9-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Kelley can be reached on (703) 305-4856.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

AW
August 3, 2000


CHRIS S. KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2700